



# There's power. And then there's too much power.

## Overview

Too many people with too much access to critical data is one of the most common and dangerous security lapses uncovered in IBM Power Systems audits. Programmers, developers, and administrators often have security officer or \*ALLOBJ special authority built into their everyday profiles on production systems—just in case they need it for emergencies. Unfortunately, this creates the potential for catastrophic data corruption or loss.

## Delegate Privileged Authority

With Authority Broker™ administrators can predefine users that are allowed to use elevated levels of authority. Users “swap” into the privileged profile only for the specific window of time that they need it. All activity during the swap is logged to a secure journal, and screens also can be captured and bundled into a PDF for review and auditing.

## FireCall

Developers often need emergency access to production systems outside normal work hours. The FireCall feature enables overburdened system administrators to delegate the approval of role swaps to the Help Desk or other staff.

## Real-Time Alerts

You can notify managers of profile switches in real time. Send alerts to IBM i message queues and interface with existing email and messaging solutions.

## Comprehensive Reporting

Satisfy your auditor requirements with reports that provide a complete audit trail of privileged user activity. For example, you can create reports for any of the following:

- Summary of profile swaps
- List of all commands entered
- Details from the audit journal
- All invalid access attempts
- Screen captures, emailed as a bundled PDF

## Report Filtering

Authority Broker's unique report filtering technology lets you print only the critical information that your auditors require. Using filters, you can exclude irrelevant programs or list only commands that were entered from a command line.

PowerTech Authority Broker CMD Events			
Timestamp	Sequence	JE Typ	Entry Description
02/01/2013 06:53:17.902	1484689	CD	A command (CHGUSRPRF) was run.
02/01/2013 10:03:27.525	1493938	CD	A command (CHGCURLIB) was run.
02/01/2013 10:03:28.175	1493941	CD	A command (CLRSVAV) was run.
02/01/2013 10:03:28.751	1493943	CD	A command (OVRDBF) was run.
02/01/2013 10:03:29.573	1493946	CD	A command (DLTOVR) was run.
02/01/2013 10:03:29.592	1493947	CD	A command (CLRLIB) was run.
02/01/2013 12:22:06.279	1501287	CD	A command (CRTLIB) was run.
02/01/2013 12:22:06.489	1501289	CD	A command (CRTSAVF) was run.
02/01/2013 12:22:07.329	1501293	CD	A command (CLRSVAV) was run.
02/01/2013 12:22:07.942	1501296	CD	A command (CLRSVAV) was run.

Reports show the activity of privileged users. You can display reports in spooled files, MS Excel, or through PowerTech Compliance Monitor.

“Authority Broker provides the separation of duties that SOX auditors look for. I receive an alert when a user swaps into a powerful profile as well as a daily report that I can keep on file.”

— Matt Radatti  
C & D Technologies  
Computer Operations Manager

### Screen Capture and Live Viewing

The ability to capture screens gives you an unparalleled view of user activity that enhances security and satisfies auditors. Monitor swapped users in near real-time, play back screens on the system, or receive bundled screenshots as an emailed PDF.

### Time-Limited Authority

Ensure that users do not abuse the privileges granted by adding time limits to a profile swap. Administrators can configure which actions to take at the end of the swap.

### Day, Date, and Time Restrictions

Limit the checkout of powerful authorities to specific time periods or restrict access on week-ends and holidays.

### Enforce Segregation of Duties

Some companies have an existing process in place for providing emergency access to development staff. Implementing Authority Broker saves time compared to tools developed in-house and enforces segregation of duties. Auditors don't like to see developers writing applications to report their own activity.

### About the PowerTech Group, Inc.

Because Power Systems servers are used to host particularly sensitive corporate data, every organization needs to practice proactive compliance and security. As an IBM Advanced Business Partner with over 1000 customers worldwide, PowerTech understands corporate vulnerability and the risks associated with data privacy and access control.

### Application and System Integration

Custom exit points enable you to integrate Authority Broker with your existing code and solutions. Authority Broker exit points are provided for integration before and after profile swaps (sample code is provided). For example:

- Change accounting code and library list
- Wait for system operator to approve switch
- Connect to Help Desk ticketing software to gain approval

```
Date: 3/25/13          PowerTech Authority Broker          Sys : ROBINSON
Time: 12:25:41       Assign System Users to Switch Profiles          Prog: PABR0100
                                     Authority Broker Full License Version          User: BRENDAN

Working on System ROBINSON for Partition 3

_____ Position to System User          _____ Position to Switch Profile

Options
1=Add 2=Change 4=Delete 5=View 7=Day of Week Schedule 8=Override DOW Schedule
15=Notification Information 17=Switch Pair Exit Points

System          Switch
Opt User          System User Desc          Profile          Switch Profile Desc          Type
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ALANM          Alan Mills - Programm          ZSECOFR          Alt Security Officer          No limit
ANDYS          Andy Smith - Programm          ALANM          Alan Mills - Programm          No limit
ANNED          Anne Davis - IT Manag          ZSECOFR          Alt Security Officer          No limit
BARRYT          Barry's profile to co          ZSECOFR          Alt Security Officer          No limit
BOBW          Programmer Analyst 2          APMOD          Emergency Fixes to AP          No limit
BOBW          Programmer Analyst 2          ZSECOFR          Alt Security Officer          No limit
CARLA          Carla - System Admin          ZSECOFR          Alt Security Officer          No limit
More...

F3=Exit F4=Lookup F5=Refresh F12=Cancel
```

With Authority Broker, you configure users with the ability to swap to profiles with more authority.

To learn more, visit [www.powertech.com](http://www.powertech.com) to find white papers, case studies, and product demonstrations. Or, call 800-915-7700 (USA Toll Free), 253-872-7788 (USA), or +44 (0) 870 120 3148 (UK) to speak to a Security Advisor.

